

## PATENT ABSTRACTS OF JAPAN



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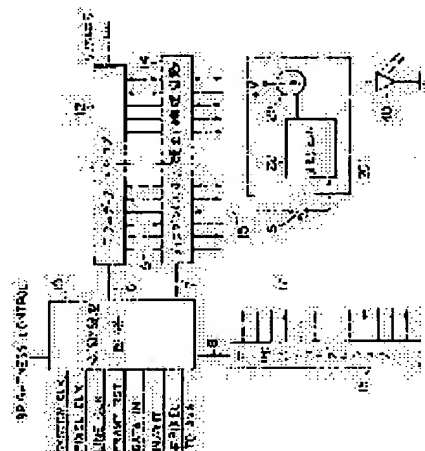
## (54) EL STORAGE DISPLAY DEVICE

## (57)Abstract:

**PURPOSE:** To store and hold data without requiring addition of an external memory or frequent renewal of the image data being held and make possible driving a computer for a display by controlling a current flowing from a current source to an EL element in response to a signal held within a memory element.

**CONSTITUTION:** Each organic pixel element 40 in a matrix is fitted with a plurality of memory cells 22 for receiving a plurality of corresponding binary digitized bit data. An output from each memory cell 22 is supplied to a current drive circuit 28 to control a part of total current supplied to the pixel elements 40.

Thereby memory drive circuits 12, 14, 16 corresponding to the pixel elements 40 can function as memory cells for controlling the current supplied to the pixel elements 40, as a D/A converter, and as an electronic switch, and such a driving system makes possible continuous and static current supply driving action for each pixel element 40, so that the desired brightness level responding to binary digitized signals can be obtained.



## LEGAL STATUS

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